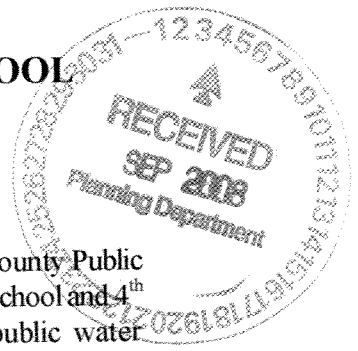


# 9<sup>TH</sup> ELEMENTARY SCHOOL AND 4<sup>TH</sup> MIDDLE SCHOOL

## WATER CONSERVATION AGREEMENT



The following guidelines agreed upon by the JCSA and Williamsburg James City County Public Schools (WJCC) are to be implemented at the site of the proposed 9<sup>th</sup> Elementary School and 4<sup>th</sup> Middle School site to promote water conservation and minimize the use of public water resources.

### 1. Water Efficient Landscaping

- a. No more than thirty percent of a parcel area shall be allowed turf irrigation.
- b. Wherever possible, primary plantings shall be drought tolerant, low water use plants. Where appropriate, non-invasive native plants are recommended. A suggested plant list is available from the JCSA.
- c. Wherever possible, existing trees and vegetation shall be retained.
- d. Trees located in turf areas shall be mulched.

### 2. Irrigation Systems


- a. Pre-existing vegetation shall not be irrigated.
- b. Irrigation systems shall be limited to the turf and landscaped areas of recreation areas, defined as playgrounds and ball fields and at the main entrances of the site.
- c. Water for irrigation shall come from surface water and/or stormwater retention facilities. Irrigation systems will not be permitted to connect to the JCSA central water system.
- d. ~~If it is not feasible for~~ <sup>shale</sup> Irrigation water for the common areas ~~to~~ come from stormwater facilities. ~~irrigation wells may be allowed to supplement the surface water impoundments only after approval of the General Manager of the JCSA. Only wells of 100 feet depth or less may be approved.~~
- e. Irrigation systems are required to have a rain sensor that is adjusted to shut off automatic irrigation systems when one-fourth inch of rain has fallen or a central control system with a weather station that uses evapo-transpiration to determine optimum watering times.

*fwy*  
9/18/08

- f. As JCSA customers, WJCC Schools adhere to the James City County Board of Supervisors approved outdoor water use ordinance in effect annually spring through fall.

3. Indoor Appliances


- a. All builder-installed hot water heaters, washing machines and dishwashers shall be water efficient models.
- b. Where appropriate, point of use and/or centrally located small-volume hot water heaters shall be used.
- c. Wells installed for geothermal heat pump systems shall be of the closed-loop type that does not withdraw water from the wells. Applicable agreements and special use permit conditions on construction of geothermal heat pump wells shall be followed.
- d. Geothermal wells shall not intrude upon the drinking water aquifer and generally not exceed 200 feet in depth.

  
Robert Becker, Jr., PhD  
WJCC, Assistant Superintendent for Operations

8.26.08  
Date

  
Alan T. Robertson  
WJCC, Facilities Manager

8.25.08  
Date

  
Larry Foster  
JCSA, General Manager

9-18-08  
Date